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- (71) Applicant (for all designated States except US): UNIVER-SITY OF ROCHESTER [US/US]; 518 Hylan Building, Rochester, New York 14627 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): MAINES, Mahin, D. [US/US]; 235 Huntington Hills, Rochester, NY 14622 (US).
- (74) Agents: MERKEL, Edwin, V. et al.; Nixon Peabody LLP, Clinton Square, P.O. Box 31051, Rochester, NY 14603-1051 (US)

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(54) Title: METHODS OF MODULATING CELL CYCLE AND CELL SIGNALING PATHWAYS USING BILIVERDIN REDUCTASE

(57) Abstract: The present invention relates to a method of modifying expression of cell cycle or cell signaling proteins. This method involves modifying the nuclear or cellular concentration of biliverdin reductase, or fragments or variants thereof, in a cell, whereby a change in the nuclear or cellular concentration of biliverdin reductase, or fragments or variants thereof, modifies the transcription or expression of cell cycle or cell signaling proteins.

